

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

| | | | |
|-----------------|------------|-------------|--------------------------------|
| Client ID: | M97801 | Client: | Alaskan Copper Works |
| Date Received: | 12/29/05 | Project: | Metro Self Monitor, PO# M97801 |
| Date Extracted: | 01/04/06 | Lab ID: | 512286-01 10x |
| Date Analyzed: | 01/04/06 | Data File: | 512286-01 10x.048 |
| Matrix: | Water | Instrument: | ICPMS1 |
| Units: | ug/L (ppb) | Operator: | btb |

| | | | |
|--------------------|-------------|--------|--------|
| Internal Standard: | % Recovery: | Lower | Upper |
| Germanium | 83 | Limit: | Limit: |
| | | 60 | 125 |

| Analyte: | Concentration ug/L (ppb) |
|----------|-----------------------------|
| Chromium | 896 |
| Nickel | 924 |
| Copper | 717 |
| Zinc | 41.0 |

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Analysis For Total Metals By EPA Method 200.8

| | | | |
|-----------------|----------------|-------------|--------------------------------|
| Client ID: | Method Blank | Client: | Alaskan Copper Works |
| Date Received: | Not Applicable | Project: | Metro Self Monitor, PO# M97801 |
| Date Extracted: | 01/04/06 | Lab ID: | I6-104 mb |
| Date Analyzed: | 01/04/06 | Data File: | I6-104 mb.039 |
| Matrix: | Water | Instrument: | ICPMS1 |
| Units: | ug/L (ppb) | Operator: | btb |

| | | | |
|--------------------|-------------|--------|--------|
| Internal Standard: | % Recovery: | Lower | Upper |
| Germanium | 95 | Limit: | Limit: |
| | | 60 | 125 |

| Analyte: | Concentration ug/L (ppb) |
|----------|-----------------------------|
| Chromium | <10 |
| Nickel | <10 |
| Copper | <10 |
| Zinc | <10 |

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 01/06/06

Date Received: 12/29/05

Project: Metro Self Monitor, PO# M97801, F&BI 512286

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR METALS BY EPA METHOD 200.8**

Laboratory Code: 601012-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | Relative Percent Difference | Acceptance Criteria |
|----------|-----------------|---------------|------------------|-----------------------------|---------------------|
| Chromium | ug/L (ppb) | <10 | <10 | nm | 0-20 |
| Nickel | ug/L (ppb) | <10 | <10 | nm | 0-20 |
| Copper | ug/L (ppb) | <10 | <10 | nm | 0-20 |
| Zinc | ug/L (ppb) | <10 | <10 | nm | 0-20 |

Laboratory Code: 601012-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | % Recovery MS | Acceptance Criteria |
|----------|-----------------|-------------|---------------|---------------|---------------------|
| Chromium | ug/L (ppb) | 20 | <10 | 93 | 50-150 |
| Nickel | ug/L (ppb) | 20 | <10 | 73 | 50-150 |
| Copper | ug/L (ppb) | 20 | <10 | 78 | 50-150 |
| Zinc | ug/L (ppb) | 50 | <10 | 107 | 50-150 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | % Recovery LCS | Acceptance Criteria |
|----------|-----------------|-------------|----------------|---------------------|
| Chromium | ug/L (ppb) | 20 | 98 | 70-130 |
| Nickel | ug/L (ppb) | 20 | 99 | 70-130 |
| Copper | ug/L (ppb) | 20 | 93 | 70-130 |
| Zinc | ug/L (ppb) | 50 | 101 | 70-130 |

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 6, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 29, 2005 from the Metro Self Monitor, PO# M97801, F&BI 512286 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0106R.DOC

512286

SAMPLE CHAIN OF CUSTODY

ME 12/29/05

AI,

Send Report To

ACopper

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

Metro

PO #

M97801

REMARKS

Page # 1 of 1

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes |
|-----------|--------|----------|------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|----------------|--|--|--|-------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | Cr, Cu, Ni, Zn | | | | |
| M97801 | 01 A-D | 12/29/05 | | w | 4 | | | | | | | | | | | |
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Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

David B. GOTT

Michael Erlich

COMPANY

F&B

DATE

12/29/05

TIME

12:05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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e-mail: fbi@isomedia.com

January 6, 2006

DUPLICATE COPY

INVOICE # 06ACU0106-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M97801, F&BI 512286 - Results of testing
requested by Gerry Thompson for material submitted on December 29, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample \$ 80.00

Amount Due \$ 80.00

FEDERAL TAX ID #

(b) (6)